

CLAIMS:

1-42. (Canceled)

43. (New) A method for fabricating a structure or component comprising the steps of:
- (a) creating two skins by laying layers of plies of fiber materials, at least one of the plies in each of the skins containing unidirectional fibers ;
 - (b) braiding unimpregnated fibers into a tubular sock, each sock containing a mandrel, defining a braided member;
 - (c) placing a first one of the skins onto the inner face of one half of a matched mold;
 - (d) placing the braided members onto the first one of the skins so that the braided members are contiguous with one another;
 - (e) placing the second one of the skins over the braided members; then
 - (f) placing the other half of the matched mold over the second one of the skins; then
 - (g) applying a compacting force that results in closure of the halves of the mold; then
 - (h) sealing the mold and drawing a vacuum inside the closed mold; then
 - (i) injecting resin into the mold to completely fill void areas and to infuse the socks with the resin; and
 - (j) heating the mold to a temperature for a period sufficient to cause curing of the resin and bonding of the socks to the skins, then removing one of the halves of the mold, withdrawing the mandrels from the socks to define a molded structure, and removing the molded structure from the mold.
44. (New) The method of claim 43 wherein the some of the plies of each of the skins are pre-impregnated with resin and other of the plies of each of the skins contain unimpregnated fibers.

45. (New) The method of claim 43 wherein some of the plies of each of the skins are partially impregnated with resin and others of the plies of each of the skins are fully impregnated with resin.

46. (New) The method of claim 43 wherein the plies of each of the skins that contain unidirectional fibers are unimpregnated with resin.